

Printed from CRF

```

; Sequence 71, Application US/09840743
; GENERAL INFORMATION: Robert L.
; APPLICANT: Fischer, Robert L.
; APPLICANT: Choi, Yeonhee
; APPLICANT: Hannon, Mike
; APPLICANT: Okamoto, Jack Kishiro
; APPLICANT: Tatiana Valerievna
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Nucleic Acids That Control Plant Development
; FILE REFERENCE: 023070-099910US
; CURRENT APPLICATION NUMBER: US/09/840.743
; CURRENT FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: US 09/553,690
; PRIOR FILING DATE: 2000-04-21
; NUMBER OF SEQ ID NOS: 119
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 71
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:DMT Domain A
; OTHER INFORMATION: consensus sequence
; NAME/KEY: MOD_RES
; LOCATION: (3)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (4)
; OTHER INFORMATION: Xaa = Ile or Leu
; NAME/KEY: MOD_RES
; LOCATION: (6)
; OTHER INFORMATION: Xaa = Asp or Pro
; NAME/KEY: MOD_RES
; LOCATION: (7)
; OTHER INFORMATION: Xaa = Glu or Val
; NAME/KEY: MOD_RES
; LOCATION: (9)-(11)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (13)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (14)
; OTHER INFORMATION: Xaa = Leu or Val
; NAME/KEY: MOD_RES
; LOCATION: (16)
; OTHER INFORMATION: Xaa = Met or Leu
; NAME/KEY: MOD_RES
; LOCATION: (17)
; OTHER INFORMATION: Xaa = Glu or Asp
; NAME/KEY: MOD_RES
; LOCATION: (18)-(19)
; OTHER INFORMATION: Xaa = any amino acid, Xaa at positions 18 and 19
; OTHER INFORMATION: may be present or absent
; NAME/KEY: MOD_RES
; LOCATION: (21)
; OTHER INFORMATION: Xaa = Lys or Glu
; NAME/KEY: MOD_RES
; LOCATION: (22)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (23)
; OTHER INFORMATION: Xaa = Lys or Thr
; NAME/KEY: MOD_RES
; LOCATION: (24)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (25)
; OTHER INFORMATION: Xaa = Lys or Ala
; NAME/KEY: MOD_RES
; LOCATION: (26)
; OTHER INFORMATION: Xaa = Trp or Lys
; NAME/KEY: MOD_RES

```

```

; LOCATION: (27)
; OTHER INFORMATION: Xaa = Trp or Leu
; NAME/KEY: MOD_RES
; LOCATION: (28)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (32)-(33)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (35)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (36)
; OTHER INFORMATION: Xaa = Gly or Thr
; NAME/KEY: MOD_RES
; LOCATION: (38)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (39)
; OTHER INFORMATION: Xaa = Asp or Asn
; NAME/KEY: MOD_RES
; LOCATION: (40)
; OTHER INFORMATION: Xaa = Ser or Leu
; NAME/KEY: MOD_RES
; LOCATION: (43)
; OTHER INFORMATION: Xaa = Ala or Asn
; NAME/KEY: MOD_RES
; LOCATION: (46)
; OTHER INFORMATION: Xaa = His or Arg
; NAME/KEY: MOD_RES
; LOCATION: (47)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (48)
; OTHER INFORMATION: Xaa = Val or Leu
; NAME/KEY: MOD_RES
; LOCATION: (51)
; OTHER INFORMATION: Xaa = Asp or Asn
; NAME/KEY: MOD_RES
; LOCATION: (53)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (55)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (56)
; OTHER INFORMATION: Xaa = Pro or Gln
; NAME/KEY: MOD_RES
; LOCATION: (66)
; OTHER INFORMATION: Xaa = Ile or Val
; NAME/KEY: MOD_RES
; LOCATION: (74)
; OTHER INFORMATION: Xaa = Val or Thr
; NAME/KEY: MOD_RES
; LOCATION: (76)
; OTHER INFORMATION: Xaa = Val or Thr
; NAME/KEY: MOD_RES
; LOCATION: (77)
; OTHER INFORMATION: Xaa = Leu or Ser
; NAME/KEY: MOD_RES
; LOCATION: (80)
; OTHER INFORMATION: Xaa = Ser or Asn
; NAME/KEY: MOD_RES
; LOCATION: (82)
; OTHER INFORMATION: Xaa = Phe or Tyr
; NAME/KEY: MOD_RES
; LOCATION: (84)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (85)
; OTHER INFORMATION: Xaa = Leu or Val
; NAME/KEY: MOD_RES
; LOCATION: (87)

```

[illegible]

LOCATION: (43)
OTHER INFORMATION: xaa = Asn or Phe
NAME/KEY: MOD_RES
LOCATION: (44)..(45)
OTHER INFORMATION: xaa = any amino acid
NAME/KEY: MOD_RES
LOCATION: (47)
OTHER INFORMATION: xaa = Ala or Ser
NAME/KEY: MOD_RES
LOCATION: (48)
OTHER INFORMATION: xaa = any amino acid
NAME/KEY: MOD_RES
LOCATION: (51)..(62)
OTHER INFORMATION: xaa = any amino acid, xaa at positions 53-62 may be present or absent
NAME/KEY: MOD_RES
LOCATION: (65)..(67)
OTHER INFORMATION: xaa = any amino acid
NAME/KEY: MOD_RES
LOCATION: (69)..(70)
OTHER INFORMATION: xaa = any amino acid
NAME/KEY: MOD_RES
LOCATION: (71)
OTHER INFORMATION: xaa = His or Asn
NAME/KEY: MOD_RES
LOCATION: (73)
OTHER INFORMATION: xaa = any amino acid
NAME/KEY: MOD_RES
LOCATION: (81)..(82)
OTHER INFORMATION: xaa = any amino acid
NAME/KEY: MOD_RES
LOCATION: (83)
OTHER INFORMATION: xaa = Pro or Asp
NAME/KEY: MOD_RES
LOCATION: (84)
OTHER INFORMATION: xaa = Pro or Ser
NAME/KEY: MOD_RES
LOCATION: (85)
OTHER INFORMATION: xaa = Asp or His
NAME/KEY: MOD_RES
LOCATION: (86)
OTHER INFORMATION: xaa = any amino acid
NAME/KEY: MOD_RES
LOCATION: (87)
OTHER INFORMATION: xaa = Ala or Val
NAME/KEY: MOD_RES
LOCATION: (89)
OTHER INFORMATION: xaa = any amino acid
NAME/KEY: MOD_RES
LOCATION: (90)
OTHER INFORMATION: xaa = Tyr or Phe
NAME/KEY: MOD_RES
LOCATION: (93)
OTHER INFORMATION: xaa = Ser or Glu
NAME/KEY: MOD_RES
LOCATION: (94)
OTHER INFORMATION: xaa = Ile or Phe
NAME/KEY: MOD_RES
LOCATION: (95)
OTHER INFORMATION: xaa = any amino acid
NAME/KEY: MOD_RES
LOCATION: (97)
OTHER INFORMATION: xaa = Leu or Ile
NAME/KEY: MOD_RES
LOCATION: (102)
OTHER INFORMATION: xaa = Val or Ala
NAME/KEY: MOD_RES
LOCATION: (109)
OTHER INFORMATION: xaa = any amino acid
NAME/KEY: MOD_RES
LOCATION: (111)
OTHER INFORMATION: xaa = His or Lys
NAME/KEY: MOD_RES

```
; LOCATION: (112)..(113)
; OTHER INFORMATION: Xaa - any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (125)
; OTHER INFORMATION: Xaa - Ala or Cys
; NAME/KEY: MOD_RES
; LOCATION: (128)
; OTHER INFORMATION: Xaa - Met or Leu
; NAME/KEY: MOD_RES
; LOCATION: (130)
; OTHER INFORMATION: Xaa - Trp or Leu
; NAME/KEY: MOD_RES
; LOCATION: (134)
; OTHER INFORMATION: Xaa - Gln or Glu
; NAME/KEY: MOD_RES
; LOCATION: (138)..(139)
; OTHER INFORMATION: Xaa - any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (140)
; OTHER INFORMATION: Xaa - Leu or Val
; NAME/KEY: MOD_RES
; LOCATION: (142)
; OTHER INFORMATION: Xaa - Leu or Met
; NAME/KEY: MOD_RES
; LOCATION: (144)
; OTHER INFORMATION: Xaa - Leu or Gln
; NAME/KEY: MOD_RES
; LOCATION: (146)
; OTHER INFORMATION: Xaa - Glu or Phe
; NAME/KEY: MOD_RES
; LOCATION: (147)
; OTHER INFORMATION: Xaa - any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (150)
; OTHER INFORMATION: Xaa - any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (151)
; OTHER INFORMATION: Xaa - Leu or Met
; NAME/KEY: MOD_RES
; LOCATION: (152)
; OTHER INFORMATION: Xaa - Glu or Asp
; NAME/KEY: MOD_RES
; LOCATION: (153)
; OTHER INFORMATION: Xaa - Ser or Asn
; NAME/KEY: MOD_RES
; LOCATION: (154)
; OTHER INFORMATION: Xaa - Ile or Val
; NAME/KEY: MOD_RES
; LOCATION: (166)
; OTHER INFORMATION: Xaa - Asp or Pro
; NAME/KEY: MOD_RES
; LOCATION: (168)
; OTHER INFORMATION: Xaa - any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (176)
; OTHER INFORMATION: Xaa - Gln or His
; NAME/KEY: MOD_RES
; LOCATION: (177)
; OTHER INFORMATION: Xaa - Leu or Met
; NAME/KEY: MOD_RES
; LOCATION: (183)..(184)
; OTHER INFORMATION: Xaa - any amino acid, xaa at positions 183 and 184
; NAME/KEY: MOD_RES
; LOCATION: (189)..(190)
; OTHER INFORMATION: Xaa - any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (199)
; OTHER INFORMATION: Xaa - Arg or Lys
; NAME/KEY: MOD_RES
; LOCATION: (200)..(201)
; OTHER INFORMATION: Xaa - any amino acid, xaa at positions 200 and 201
; OTHER INFORMATION: may be present or absent
```

```
; NAME/KEY: MOD_RES
; LOCATION: (204)
; OTHER INFORMATION: Xaa - Arg or Lys
; NAME/KEY: MOD_RES
; LOCATION: (205)
; OTHER INFORMATION: Xaa - His or Tyr
; NAME/KEY: MOD_RES
; LOCATION: (206)
; OTHER INFORMATION: Xaa - Phe or Tyr
; NAME/KEY: MOD_RES
; LOCATION: (207)
; OTHER INFORMATION: Xaa - Ala or Ser
; NAME/KEY: MOD_RES
; LOCATION: (210)
; OTHER INFORMATION: Xaa - any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (211)
; OTHER INFORMATION: Xaa - Ala or Val
; NAME/KEY: MOD_RES
; LOCATION: (212)..(221)
; OTHER INFORMATION: Xaa - any amino acid, xaa at positions 212-221 may
; OTHER INFORMATION: be present or absent
; NAME/KEY: MOD_RES
; LOCATION: (223)
; OTHER INFORMATION: Xaa - Ala or Ser
; NAME/KEY: MOD_RES
; LOCATION: (224)
; OTHER INFORMATION: Xaa - Arg or Lys
; NAME/KEY: MOD_RES
; LOCATION: (225)
; OTHER INFORMATION: Xaa - any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (226)
; OTHER INFORMATION: Xaa - Ala or Leu
; NAME/KEY: MOD_RES
; LOCATION: (228)
; OTHER INFORMATION: Xaa - Pro or Glu
; NAME/KEY: MOD_RES
; LOCATION: (229)
; OTHER INFORMATION: Xaa - any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (230)
; OTHER INFORMATION: Xaa - Pro or Thr
; US-09-840-743-72
; WXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXFLX
; XXXXXGIDLEWXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
; VPLXPLPXXOXHXXYPXXXXXOKLWPLRCLKQXTLYELHVXXITFGKXXFCTKXXPCNA
; CPMXXCECXXSAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXLXX1
```

THIS PAGE BLANK (USPTO)